

# clarion



# MULTIMEDIA

## Master The Road, Maximize Your Pleasure.

Getting you there is only part of the story. Clarion's multimedia lineup includes flexible car navigation solutions complemented with a wide array of audio visual capabilities, so the road to your destination will be both efficient and entertaining. Come and experience a higher level of digitally-driven satisfaction.

**Audio**

*Superb Sound*

**Visual**

*Exceptional Entertainment*

**Navigation**

*Quality Navigation*

### More Choices to Match Your Style

From dedicated car navigation and AV/navigation units, to entertainment-oriented multimedia stations, Clarion offers a diverse lineup to meet the unique needs of your automotive lifestyle.

	NX509	NX409	NZ409	VZ709	VX709	VZ509	VX409	VZ409	VZ309	EZD580
										
Navigation	Built-in	Built-in	Built-in	NAX980HD or NP509	NAX980HD or NP509	NP509	▲ *	▲ *	—	Built-in
iPod	●	●	●	●	●	●	CCUIPOD1	CCUIPOD1	CCUIPOD1	—
iPod Video	CCA723	CCA723	CCA723	CCA723	CCA723	CCA723	—	—	—	—
USB	●	●	●	●	●	●	—	—	● Front	—
Bluetooth	BLT370	BLT370	BLT370	Built-in	Built-in	BLT370	BLT370	BLT370	—	Built-in
AUX	●	●	●	●	●	●	●	●	●	—

\* Can be displayed NP509 navigation screen, SA509 is required for installation

## Design

Simplified and sophisticated, Clarion's new design features a minimal number of physical keys and a graphical user interface with optimally laid-out on-screen controls. Buttons are thus larger and more ergonomic, while on-screen displays offer the information you need, clearly, intuitively and with a touch of style. ”

## Navigation

Clarion's car navigation lineup includes everything from hide-away navigation unit and portable navigation device, to all-in-one AV/Navigation systems.

The navigation engine, with maps stored on 2GB flash memory, provide a perfect balance of performance and convenience. ”

## Entertainment

Keep your audience smiling. Certain select models feature visual output for 2-zone entertainment, so rear seat and front seat passengers can view different content during the journey. And with DivX® playback support, you'll be able to enjoy a wider variety of compressed video programs such as movies. ”

## Sound

Sculpt the sound to match your preference or environment, with audio features like Beat EQ's 3-band parametric equalizer, BBE® MP to improve the sound of compressed digital audio and Magna Bass EX to boost ultra-low frequencies for a richer sound with more impact, just for starters. ”

## Connectivity

The music you love and carry can be enjoyed seamlessly in your car. iPod connectivity including full control and search functions, as well as USB and AUX connections to access music on portable devices and other external equipment, make sure you can take your tunes along for the ride. ”





# Balance Your Drive with Precise Navigation and Premium



Remote Control

## NX509

DVD Multimedia Station with  
Built-in Navigation  
& 7-inch Touch Panel Control

CEA 2006 Power Ratings  
20W+4 RMS 4Ω @ 14.4V ±1% THD+N  
S/N 84dB (Ref: 1W into 4Ω)

## MULTIMEDIA

### NX509 FEATURES

- DVD-Video/DVD±R/DVD±RW/CD-DA/CD-R/RW Ready
- Built-in Navigation (2 GB Flash Memory for Map Storage)
- MP3/WMA/AAC Compatible with ID3-TAG display
- Official DivX® Certified product
- Plays All Versions of DivX Video (including DivX 6) with Standard Playback of DivX Media Files
- 18 FM 6 AM Presets
- iPod Direct Control via USB (Optional CCA723 Cable for iPod Video Playback)
- Rear USB Connector
- 1 AV Input
- Rear Vision Camera RCA Input
- Subwoofer Volume Control
- 24-bit D/A Converter
- BBE MP for Compressed Audio Sound Improvement
- BEAT EQ for Sound Adjustment
- MAGNA BASS EX Dynamic Bass Enhancement
- Built-in LPF/HPF
- 2-Zone Entertainment: Front and Rear Separate Source Control
- Touch Panel Control (On Screen Display)
- 3-Hard Key (SRC, Vol-, Vol+)
- Fully Motorized 7-inch QVGA Color LCD Monitor
- Adjustable Display Brightness
- SAT Ready
- 6ch RCA Output (F/R/SW) + 2-zone Output
- 50Wx4 Built-in Amplifier
- Bluetooth® Interface Ready (Optional BLT370)
- OEM Steering Remote Ready
- Remote Control included



### NAVIGATION

- **3D Display Mode:** 3D Maps, 3D Landmarks and 3D Icons \* 3D Mode Available in Select Cities
- **2 Different User modes:** Simple Mode, Advanced Mode
- **TTS (Text to Speech) for Street Announcement**
- **Day/Night map color change**
- **Find menu:** Find Address, Find POI, History, Find coordinate, Favorites, Plan on Map
- **12 Million Built-In POIs**
- **Multiple route calculation:** Fast, short, Economical, Easy



- **Multiple vehicle selection:** car, Taxi, Bus, Emergency vehicles
- **Multiple Road selection:** Unpaved Roads, Permit Needed Motor Ways, Toll Roads, Ferries, Border crossing, Carpool Lanes
- Smart Zoom and 3 preset zoom Buttons
- Quick Access to Quick Menu
- Lane Information & Signpost Information



### New Graphical User Interface

The Clarion H.M.I. concept takes a unique form in the NX509's touch-panel graphical user interface with high-resolution on-screen display. A wide variety of functions, from car navigation to AV entertainment, are consolidated into this intuitive user-interface so there are only 3 physical buttons present on the front panel, contributing to the clean looks of this model. No steep learning curves, so you can enjoy it to the fullest from day one.

## Built-in Navigation System

Nothing to add — it's all there from the get go. Count on GPS accuracy and the efficient Clarion Mobile Map engine to guide you to your destination. Navigation data is pre-stored on the internal flash memory for quick access. And with 3D rendered graphics including landmarks, you'll have an intuitively familiar view of the navigation route you are taking.

## 3D Rendering for Added Realism and Driving Accuracy

### 3D City Map

Cityscapes are realistically rendered in 3D, with buildings close to you drawn transparently to avoid obstructing the next intersection.



### 3D Landmarks

3D landmark data are seamlessly integrated into 3D graphic renderings, realistically depicting key points along your travel route.



### 3D Elevation Map

To make it easier to maneuver through complex junctions, roads and bridges are drawn using actual height information.



### iPod Direct Control via USB

Just connect the USB cable that's included with your iPod to the NX509's Rear USB input to control your iPod from either side. Using an optional CCA723 cable will even let you watch iPod Video on the screen. The same USB terminal can also be used to connect a USB memory device with digital music files stored on it.

\* To connect iPod, please use the USB cable included in your iPod.  
\* Please see the Clarion website for iPod models that can be connected.

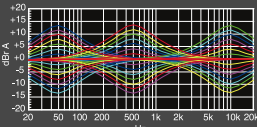


### Digital Media Ready (DivX®)

DivX is a common media language that delivers a pure digital experience. Clarion has provided DivX playback on most AV products since 2008. DivX enriched video files deliver superior video quality and allow more information on a single disk. Once again Clarion delivers the features you expect.

### Enhanced Sound Performance

Beat EQ's 3-band parametric equalizer helps you customize your sound, while MagnaBass EX boosts ultra-low frequencies so you can enjoy more solid bass performance.



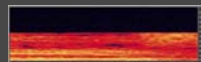
Audio Precision (Bass Midrange Treble)

### BBE® MP for Better Sounding MP3/WMA/AAC Files

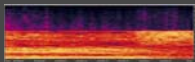
BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better.

\* Manufactured under license from BBE Sound, Inc.  
\* Licensed by BBE Sound, Inc. under one or more of the following US patents: 5510752, 5736897. BBE and BBE symbol are registered trademarks of BBE Sound, Inc.

#### •BBE MP Process



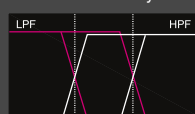
#### BBE MP on



\* This Diagram shows only image for function of BBE MP

### Built-in HPF and LPF

The internal High Pass and Low Pass Filters allow your music to be played at the precise levels that they were meant to be heard. Enjoy bass with more muscle and highs with more clarity.



### 24-Bit D/A Converter

Fully enjoy the sonic impact of DVD movie soundtracks or music videos. 24-bit technology actually oversamples the digital signal, providing excellent results that just weren't possible with older 16-bit systems.

### 2-Zone Entertainment

This allows rear seat passengers to enjoy a DVD movie or iPod Video while the front seat passengers enjoy their favorite radio station or music from a USB memory device.



### Sirius/XM Ready

Connect to a Sirius or XM Satellite Radio receiver via CeNET interface and enjoy over 130 channels of music, news, talk shows, sports and traffic information with digital quality sound throughout the U.S. and Canada.



iPod USB Direct for playback through USB cable provided with iPod.



USB Connector even supports playback of WMA/MP3/AAC files.



6ch RCA Outputs let you freely add external power amplifiers to create a more powerful, sophisticated audio system.



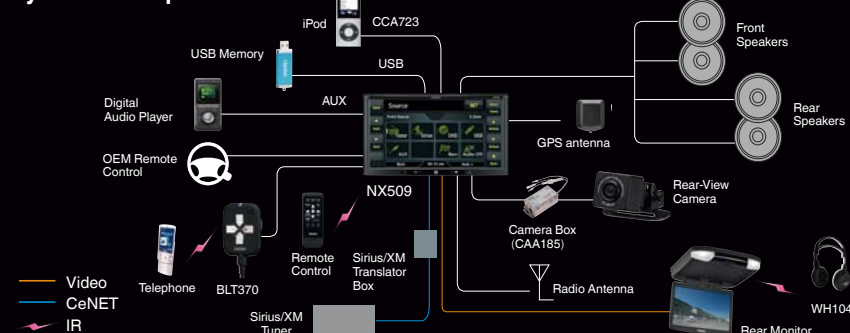
24-Bit D/A Converter

### Bluetooth-ready with BLT370

Hands-free conversations (HSP/HFP) on Bluetooth-ready mobile phones, promote safe driving. This is possible via wireless connection of the phones to the vehicle's audio systems. With the A2DP Advanced Audio Distribution Profile, you can enjoy music reproduction from many new mobile phones or portable media players and control them via AVRCP (Audio Video Remote Control Profile).



### System Example



Simple Solution to Navigate Your Way to Complete Satisfaction



### **NX409** 2-DIN DVD Multimedia Station with Built-in Navigation & 6.5-inch Touch Panel Control

CEA 2006 Power Ratings  
19W+4 RMS (4Ω@14.4V≤1% THD+N)  
S/N 77dB (Ref:1W into 4Ω)



GPS Antenna



Remote Control

MULTIMEDIA

Audio Visual and Navigational Power in a Space-saving Package



### **NZ409** DVD Multimedia Station with Built-in Navigation & 7-inch Touch Panel Control

CEA 2006 Power Ratings  
19W+4 RMS (4Ω@14.4V≤1% THD+N)  
S/N 77dB (Ref:1W into 4Ω)



GPS Antenna



Remote Control



## NX409 / NZ409 FEATURES

- DVD-Video/DVD±R/DVD±RW/CD-DA/HDCD CD-R/RW Ready
- Built-in Navigation (2 GB Flash Memory Map Storage/Map Coverage: US 50 States and Canada)
- 12 Million Built-in POIs
- TTS (Text to Speech) for Street Announcements
- MP3/WMA Compatible with ID3-TAG Display
- 18 FM / 6 AM Station Presets
- Rear USB Connector
- iPod Direct Control via USB (CCA723 Cable Required)
- Front AV Input (NX409 Only)
- Rear AV Input
- Rear vision Camera RCA Input
- 24-bit D/A Converter
- Touch Panel Control
- Fully-motorized QVGA Color LCD Monitor (NZ409/7-inch)
- 6 ch RCA Output and RCA Rear Video Output
- 40 W × 4 Built-in Amplifier
- OEM Steering Wheel Remote Ready
- Sirius Direct Connection Ready
- Bluetooth® Interface Ready (Optional BLT370)
- Built-in IR Eye



## iPod Direct Control via USB

Just connect the USB cable that's included with your iPod to the source unit's USB input to control your iPod. Using an optional CCA723 cable will even let you watch iPod Video on the screen. The same USB terminal can also be used to connect a USB memory device with digital music files stored on it.

\* To connect iPod, please use the USB cable included in your iPod.  
\* For video playback, optional CCA723 cable required.  
\* Please see the Clarion website for iPod models that can be connected.

## Front and Rear AV Input

NX409 is equipped with AV inputs on the front as well as the rear, making it twice as easy to plug-in a portable audio device or portable satellite radio for instantaneous enjoyment.

## 24-bit D/A Converter for Superb Sound Reproduction

Fully enjoy the sonic impact of DVD movie soundtracks or music videos. 24-bit technology actually oversamples the digital signal, providing excellent results that just weren't possible with older 16-bit systems.



## Built-in Navigation System

Nothing to add — it's all there from the get go. Count on GPS accuracy, an efficient navigation engine, and intuitive 2D/3D map screens to guide you to your destination. Navigation data is pre-stored on the internal flash memory for quick access and response.

## Sirius SSP Direct Connection Ready

Connect to a Sirius Satellite Radio receiver without any need for an interface box — and enjoy over 130 channels of music, news, talk shows, sports and traffic information with digital quality sound throughout the U.S. and Canada.

## Rear Vision Camera RCA Input

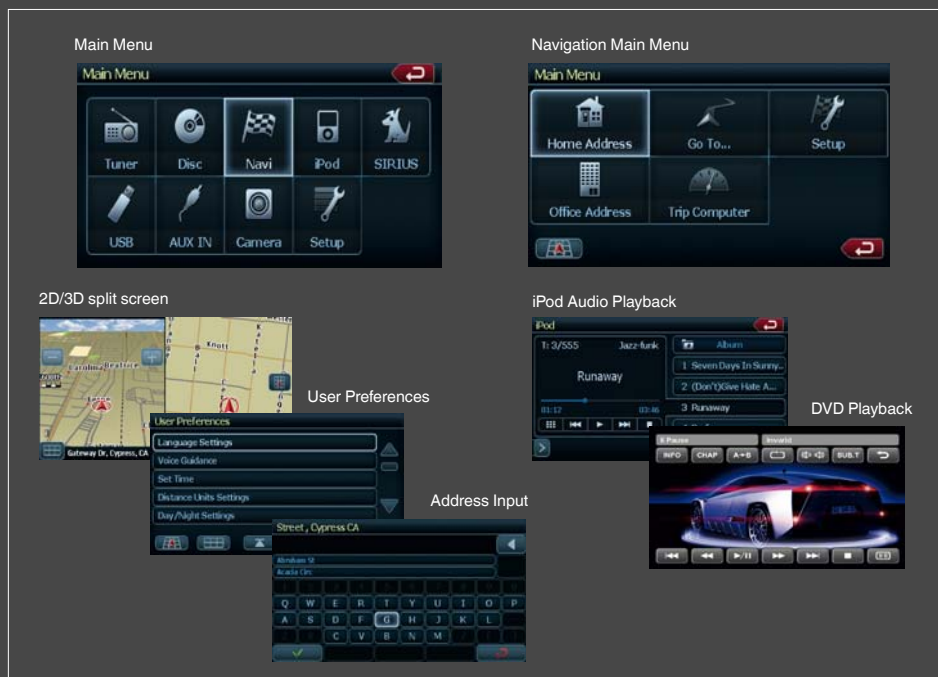
This RCA input enables you to smoothly connect a rear camera to display the area behind your vehicle. The increased view encourages and facilitates safer driving.

## 6ch/2V RCA Output

With 3 sets of RCA outputs, you are free to add external power amplifiers to create a more powerful, sophisticated audio system.

## Bluetooth Ready

Used with the optional BLT370 Bluetooth transceiver, you will be able to enjoy the benefits of hands-free calling as well as audio streaming of music you have stored on your mobile phone.



## Easy-view Sub Display

In addition to its main LCD screen, while "closed", the NZ409 shows you its informative 12-digit blue LCD display for maximum visibility within a space-saving profile.



iPod USB Direct for playback (Video Playback, Optional CCA723 Cable)



USB Connector even supports playback of WMA/MP3 files.



Front AUX Input for connection of portable audio player or other equipment.



6ch output assures system flexibility and expandability.

Sophistication and Functionality Enhance Your Mobile Experience

clarion



DCP

Remote Control

## VZ709

DVD Multimedia Station  
with CeNET & 7-inch Touch  
Panel Control

CEA 2006 Power Ratings  
19W+4 RMS (4Ω@14.4V ≤1% THD+N)  
S/N 78dB (Ref: 1W into 4Ω)

MULTIMEDIA

Excellent Entertainment Coming in Wide and Clear



Remote Control

## VX709

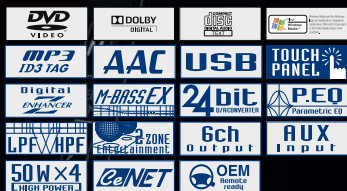
2-DIN DVD Multimedia Station  
with CeNET & 7-inch Touch  
Panel Control

CEA 2006 Power Ratings  
20W+4 RMS (4Ω@14.4V ≤1% THD+N)  
S/N 80dB (Ref: 1W into 4Ω)



## VZ709/ VX709 FEATURES

- DVD-Video/DVD±R/DVD±RW/CD-DA/CD-R/RW Ready
- Built-in Bluetooth® Hands-free (HFP & OPP) and Audio Streaming (A2DP & AVRCP)
- MP3/WMA/AAC Compatible with ID3-TAG Display
- Official DivX® Certified Product
- Plays All Versions of DivX video (including DivX 6) with Standard Playback of DivX Media Files
- 18 FM / 6 AM Station Presets
- Rear USB Connector
- iPod Direct Control (Optional CCA723 Required for iPod Video)
- AV Input
- Dedicated Rear vision Camera RCA input
- Subwoofer Volume Control
- 3-band Parametric Equalizer
- 24-bit D/A Converter
- MAGNA BASS EX Dynamic Bass Enhancement
- Built-in LPF/HPF
- Motorized Sloping Control Panel with 7-inch QVGA Color LCD Monitor
- Navigation Touch Panel Control (NP509/NAX980HD)
- RGB Input for NAX980HD
- 6 ch RCA Output and 2 ch RCA Output for 2-Zone
- 2-Zone Entertainment: Front and Rear Separate Source Control
- DSP Tuner with Variable Bandwidth
- 50 W x 4 Built-in Amplifier
- XM Mini-Tuner Direct Connection Ready
- OEM Steering Wheel Remote Ready
- Built-in IR Eye (RCB187 Remote Included)
- Selectable Wallpaper Design (4 Preset)



## CeNET for HDD and Hide-away Navigation Connection

The CeNET interface will let you connect the NAX980HD Hard-Disk Navigation system, or the NP509 Flash memory navigation system (via CCB509 CeNET Converter), to the source unit for fully integrated and interactive car navigation.

## Built-in Bluetooth® Hands-free Calling

With Bluetooth built-in, you can wirelessly connect your Bluetooth capable mobile phone to listen to calls through your car's audio system. HFP/OPP/A2DP/AVRCP protocols are supported.



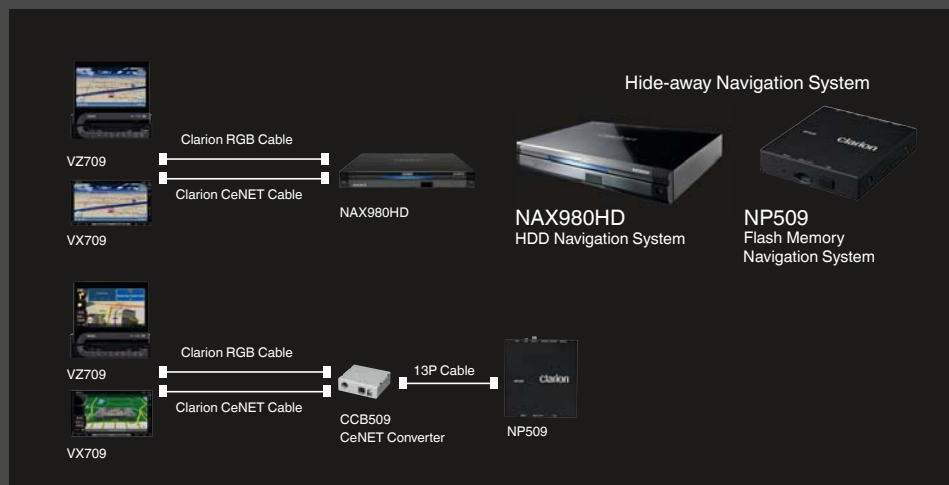
## iPod Direct Control via USB

Just connect the USB cable that's included with your iPod to the source unit's USB input to control your iPod from either side. The same USB terminal can also be used to connect a USB memory device with digital music files stored on it.

\* To connect iPod, please use the USB cable included in your iPod.  
\* For video playback, optional CCA723 cable required.  
\* Please see the Clarion website for iPod models that can be connected.



## Navigation System Example



## Built-in HPF and LPF

The internal High Pass and Low Pass filters allow your music to be played at the precise levels that they were meant to be heard. Enjoy bass with more muscle and highs with more clarity.

## 3-Band Parametric Equalizer

The entire sound spectrum is separated into high, medium and low ranges. The level of each can be adjusted separately. Customize the sound to suit your taste and your car.

## Dedicated Rear vision Camera RCA Input

Dedicated Rear vision Camera input is equipped. It enables you to see the area behind your vehicle. The increased view encourages and facilitates safer driving (optional CK625E required)

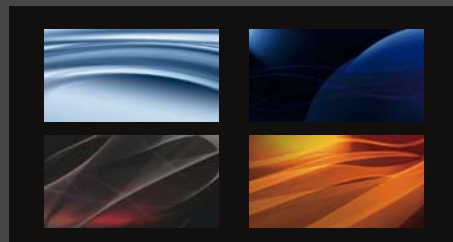


## XM Universal Mini-Tuner

This portable XM universal tuner (option) enable you to bring your subscription so you can enjoy XM satellite service anywhere you go.

## 4 Preset Wallpaper Designs

Background patterns of the navigation system and audio & video sources can be customized to suit your taste or your car's color scheme.



# A Fresh New Face to Get You There and Keep You Entertained



## VZ509

DVD Multimedia Station  
with 7-inch Touch Panel Control

CEA 2006 Power Ratings  
21Wx4 RMS (4Ω@14.4V ±1% THD+N)  
S/N 84dB (Ref: 1W into 4Ω)



Remote Control



MULTIMEDIA

### VZ509 FEATURES

- DVD-Video/DVD±R/DVD±RW/CD-DA/CD-R/RW Ready
- MP3/WMA/AAC Compatible with ID3-TAG display
- Official DivX® Certified product
- Plays All Versions of DivX Video (including DivX 6) with Standard Playback of DivX Media Files
- 18 FM/ 6 AM Presets
- iPod Direct Control (Optional CCA723 Cable for iPod Video Playback)
- Rear USB Connector
- NP509 Hide-away Navigation Direct Connection and Control
- 1 AV Input
- Rear vision Camera RCA Input
- Subwoofer Volume Control
- 24-bit D/A Converter
- BBE MP for Compressed Audio Sound Improvement
- BEAT EQ for Sound Adjustment
- MAGNA BASS EX Dynamic Bass Enhancement
- Built-in LPF/HPF
- 2-zone Entertainment: Front and Rear Separate Source Control
- Touch Panel Control (On Screen Display)
- Fully Motorized 7-inch TFT Color LCD Monitor
- Adjustable Display Brightness
- SAT Ready
- 6ch RCA Output (F/R/SW) + 2-zone Output
- 50Wx4 Built-in Amplifier
- Bluetooth® Interface Ready (Optional BLT370)
- OEM Steering Wheel Remote Ready
- Remote Control Included

### New Graphical User Interface

With a lion's share of functions controllable from VZ509 touch panel, there are only 4 physical buttons to deal with. Operation is streamlined, simplified, and beautifully enhanced with the high-resolution on-screen display.

### New Graphic IC

By incorporating an integrated video IC, on-screen graphics switch more quickly and smoothly, and usability has been enhanced by allowing touch panel operation even while a video image is being shown in a small window.

### Navigation Touch Panel Operation

The NP509 hide-away navigation system can be connected to the VZ509 directly and controlled through its touch panel. So with this multimedia station, you can upgrade to a car navigation system at any time. Count on voice guidance messages and high-resolution map displays to get you safely to your destination.

### Digital Media Ready (DivX)

DivX is a common media language that delivers a pure digital experience. Clarion has provided DivX playback on most AV products since 2008. DivX enriched video files deliver superior video quality and allow more information on a single disk. Once again Clarion delivers the features you expect.

### 4-Hard Key



Get wirelessly connected using optional BLT370 Bluetooth transceiver.



iPod USB Direct for playback through USB cable provided with iPod.



USB Connector even supports playback of WMA/MP3/AAC files.



6ch Output for superior system expandability and versatility.

### Direct USB iPod Control

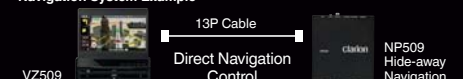
Just connect the USB cable that's included with your iPod to the Clarion head unit's USB input and you get complete control over your favorite music including iPod ABC Search, using iPod's control wheel. And by connecting the iPod to VZ509 via optional CCA723 cable, it will be possible to enjoy iPod Video on the VZ509's monitor screen.

\* To connect iPod, please use the USB cable included in your iPod.  
\* Please see the Clarion website for iPod models that can be connected.

### Advanced Technologies for Sound Satisfaction

BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression. What's more, Beat EQ's 3-band parametric equalizer helps you customize your sound, while Magna-Bass EX boosts ultra-low frequencies so you can enjoy more solid bass performance.

### Navigation System Example



# OPTIONAL DEVICES TO EXPAND YOUR HORIZONS

Your car system is as unique as you are — so maybe you'll want to add options that will expand your car navigational possibilities. More flexible, more customized, more in-tune with your driving lifestyle. Clarion has all the components you need.



## Easy Onramp to the Convenient World of Car Navigation

### NP509

#### HIDE-AWAY MEMORY NAVIGATION SYSTEM

- Compatible with VZ709/VX709/VZ509
- Touch Screen Operation (VZ709 / VX709/VZ509)
- 12 Million Built-in POIs
- Audible Voice Commands in 3 Different Languages (English / French / Spanish)
- 2GB Flash Memory (Map Data Pre-loaded)
- SIRF GPS III Module with 20-channel GPS Receiver
- Quick access to Quick Menu
- 2 Different User Modes: Simple Mode, Advanced Mode
- Automatic Route Recalculation
- Turn by Turn Voice Prompts and TTS for Street Announcements
- 3 Display Mode: 3D Maps, 3D Landmarks and 3D Icons
- Lane Information & Signpost Information
- No VSS Connection Required



## 3D Rendering for Added Realism and Driving Accuracy

### 3D Map



### 2D Map



### Navigation Menu



### 3D Landmark



### Signpost Information



### Night Mode



## Superior Accuracy and Hard Drive for Large Map Database

### NAX980HD

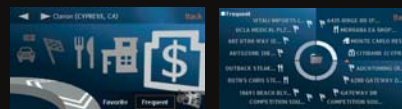
#### HDD Navigation System

- Compatible with VZ709 or VX709
- Touch Screen Operation
- Audible Voice Commands in 3 Different Languages (English / French / Spanish)
- 40GB Built-in High Speed Hard Disc Drive
- Built-in Gyro Sensor
- Quick access to Short Cut menu
- Comprehensive 10M Points of Interest Database
- Automatic Route Recalculation
- Turn by Turn Voice Prompts

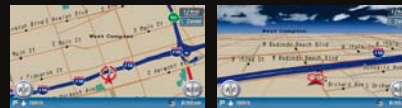


An installation friendly GPS antenna provides added flexibility and safety.

## "My List" new style of 3D menu display



### 2D 3D Screen



### Search



MULTIMEDIA

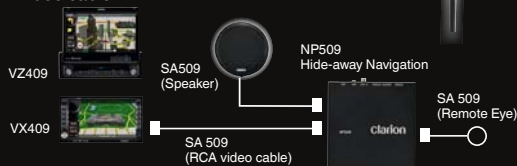
## Navigation System Example



### SA509

#### Stand-alone Accessory Kit for NP509

- IR Remote Control and Remote Eye
- External speaker for Voice guidance
- RCA video cable



### CCB509

#### CeNET Converter



- This CeNET Converter enable you to connect with VX709/VZ709/ MAX685BT/VRX785BT/MAX675VDII/ VRX785VD and NP509
- 1 RGB output & CeNET Connector





# Get Going with QVGA Quality Entertainment and Navigation



Remote Control

## VX409

2-DIN DVD Multimedia Station  
with 6.5-inch Touch Panel Control

CEA 2006 Power Ratings  
18W+4 RMS (4Ω@14.4V ≤1% THD+N)  
S/N 76dB (Ref:1W into 4Ω)

### VX409 / VZ409 FEATURES

- DVD-Video/DVD±R/DVD±RW Ready
- CD-DA/HDCD/CD-R/RW Ready
- MP3/WMA Compatible with ID3-TAG Display
- 18 FM / 6 AM Station Presets
- iPod Direct Control (Optional CCUIPOD1 required)
- Navigation RCA Video Input
- Rear AV Input
- Rear AV Output
- 24-bit D/A Converter
- Fully Motorized QVGA Color LCD Monitor (VZ409/7-inch VX409/6.5-inch)
- Adjustable Display Brightness
- Tilt Angle 5 Positions Display (VZ409)
- Sirius SSP Direct Connection Ready
- 6ch RCA Output
- Subwoofer Volume Control
- 40 W × 4 Built-in Amplifier
- Smart Rotary Volume Control
- Bluetooth® Interface Ready (Optional BLT370)
- OEM Steering Remote Ready
- Remote Control Included



### High-Resolution QVGA Display

The large LCD features an intuitive graphical user interface for operation of your iPod®, Sirius Satellite Radio, CD and DVD playback, including full access to DVD menus. The QVGA LCD screen offers high resolution viewing for DVDs as well as AUX connected sources.

### 24-Bit D/A Converter for Superb Sound Reproduction

Fully enjoy the sonic impact of DVD movie soundtracks or music videos. 24-bit technology actually oversamples the digital signal, providing excellent results that just weren't possible with older 16-bit systems.

### Navigation RCA Video Input

With the VX409/VZ409, you can connect the NP509 hide-away navigation system\* to upgrade to a car navigation system at any time. Count on voice guidance messages and high-resolution map displays to get you safely to your destination.

\* Optional SA509 required for installation.

### Sirius SSP Direct Connection Ready

Connect to the Sirius Satellite Radio receiver without the need for an interface box. One Sirius Tuner and one interface cable, and you are ready to receive over 130 channels of music, news, talk shows, sports and traffic information with CD quality sound throughout the USA.



Remote Control

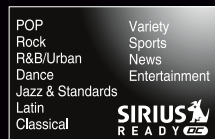
## VZ409

DVD Multimedia Station  
with 7-inch Touch Panel Control

CEA 2006 Power Ratings  
18W+4 RMS (4Ω@14.4V ≤1% THD+N)  
S/N 76dB (Ref:1W into 4Ω)



24-Bit D/A Converter



Sirius SSP READY



iPod Direct for playback



6ch Output for superior system expandability and versatility.

# Smile with Superb Sound and Optimized Operation



## VZ309 DVD Multimedia Station with 3.5-inch LCD Monitor

CEA 2006 Power Ratings  
18W x 4 RMS (4Ω @ 14.4V ±1% THD+N)  
S/N 75dB (Ref: 1W into 4Ω)

### VZ309 FEATURES

- DVD-Video/DVD±R/DVD±RW Ready
- CD-DA/HDCD/CD-R/RW Ready
- MP3 and WMA Compatible with ID3-TAG Display
- Front USB Slot
- 18 FM/12 AM Presets
- Plays iPod with optional CCUIPOD1
- Front 3.5mm Aux Input
- Rear vision Camera RCA Input
- Subwoofer Volume Control
- 24-bit D/A Converter

- Rear AV Output
- Flip-down with 3.5-inch TFT Color LCD Monitor
- Adjustable Display Brightness
- 6ch RCA Output
- 50 W x 4 Built-in Amplifier
- XM Satellite / HD Radio Ready
- Remote Control Included



MULTIMEDIA

### Enjoy a Wide Variety of Media

The built-in optical disc drive is compatible with DVD-Video, DVD±R, DVD±RW, CD-DA, HDCD, CD-R and CD-RW, so you're assured access to a wide variety of visual and musical entertainment.

### 3.5-inch LCD Screen

The 3.5-inch LCD displays operational status of your iPod, CD and DVD playback, radio functions and more. It offers maximum usability within minimum dimensions.

### iPod Playback

Just connect your iPod to the VZ309 using the optional CCUIPOD1 to control your iPod from the source unit.

\* Please see the Clarion website for iPod models that can be connected.

### Front USB Input

Front USB input is equipped. This is really convenient and just stick USB Memory on to it and enjoy your favorite music library.

### HD Radio Ready

You can connect the optionally available THD309 and enjoy the benefits of high-definition digital radio.

### Multimedia Station



iPod playback possible through optional CCUIPOD1.



USB Connector even supports playback of WMA/MP3 files.



Front AUX Input for connection of portable audio player or other equipment.



6ch Output for superior system expandability and versatility.

### Economical HD Radio Module that Connects Directly to VZ309 !



### THD309

HD Radio Module

\*Can be connected with only VZ309



## Home Theater? We Prefer "In-car" Theater. Clarion's Overhead Monitors Combine The Comforts of A Home System, In Your Back Seat.



"Are we there yet?" That sentence will become extinct once you install a Clarion rear seat overhead entertainment system. Featuring

monitor sizes ranging from 8-inch to 15-inch which include a built in DVD player and wireless headphone transmitters - peace of mind is only a press of a button away. Our TFT active matrix LCD monitors reproduce vivid colors and provide crisp clear viewing of your favorite DVD. Now the problem will be getting your kids out of the car when you reach your destination.

### VT1500B VT1000B/T VT800B FEATURES

- 15.4" WXGA Color TFT-LCD Monitor (Only for VT1500B)
- Roof Mounting Application
- NTSC and PAL Compatible
- Adjustable Color/Contrast/Brightness/Tint
- White LED Dome Light
- Built-in IR Transmitter for Wireless Headphone
- IR Remote Control
- On Screen Display
- 3.5mm AUX Input Connection
- 2 x AV Input (Back side)
- 1 x AV Output (Back side)
- Slot-in DVD mechanism
- Capability to read: DVD Format/DVD±R/DVD±RW/CD-DA/CD-R/RW/MP3/WMA/VCD/SVCD



### VT1500B

15.4-inch Wide Screen  
LCD Overhead Color Monitor with  
DVD Player



### VT1000B

10.2-inch Wide Screen  
LCD Overhead Color Monitor with  
DVD Player



VT1000T

• VT1000B: Black color / VT1000T: Tan color



### VT800B

8-inch Wide Screen  
LCD Overhead Color Monitor with  
DVD Player



## With Clarion Multimedia Loaded in Your Vehicle, Your Back Seat Might Become Your Home Away from Home.

Driving doesn't have to be a voyage from point A to B, it can be a journey full of vivid imagery and sound in your rear seat. Have your favorite movies and video games waiting for you whenever you are ready.



### VMA770

7" Headrest/Stand-alone  
LCD Wide Monitor

- 7" TFT Color Monitor
- Dimensions:  
7-1/2" (W) x 5-1/4" (H) x 1-1/4" (D)



### VMA570

5.6" Headrest/Stand-alone  
LCD Wide Monitor

- 5.6" TFT Color Monitor
- Dimensions:  
6-1/4" (W) x 4-3/8" (H) x 1-1/4" (D)

### OPTIONAL ACCESSORIES

#### WH104/WH204/WH105/ WH104H/WH204H/WH105H

##### Wireless Headphone Systems

- WH104: IR Wireless Headphones
- WH204: IR Wireless Headphones (Dual Channel Input)
- WH105: RF Frequency Wireless Headphones



#### FM200

##### FM Modulator

- 2-channel RCA Audio Input
- 2 Selectable FM Transmitting Stations
- Adjustable Audio Level Control
- On/Off Switch Included



#### VA700

##### Video Distribution Amplifier

- 1 RCA Composite Video Input
- 7 Buffered 75-Ohm RCA Composite Video Outputs
- Stable Video Signal for up to 7 LCD Monitors



#### CK625E

##### Rear Vision Camera Kit

- Includes : CC1030E  
CAA188  
MF23RM

#### CC2011E

##### Ultra Compact Color CCD Camera (MIRROR IMAGE)



#### SH1575/SH1075

##### Shroud

for  
VT1500B/  
VT1000B&T/  
OHM1575VD/  
OHM1075VD



#### CCA723

##### iPod Video Connecting Cable

for NX509/NX409  
NZ409/VZ509  
VZ709/VX709

#### CCUIPOD1

##### iPod Connecting Cable

for VX409/VZ409  
VZ309/CMS1



#### RCB199

##### External Microphone

for  
VZ709 and VX709

#### CCA389

##### 8p DIN to RCA A/V Adapter

Provides an Auxiliary A/V Signal Into TTX7501Z,  
VRX925VD, VRX935VD, VRX630 and VRX610

#### CCA673 iPod Video Connecting Cable

for VRX775VD, MAX675VD and MAX675VDII

#### CCA691 iPod Video Connecting Cable

for VRX575USB, VRX585USB and VRX385USB

#### CAA185

##### Power Box for CC1030E



#### MF23RM

##### 23' Camera Cable





## Drive Smart-negotiating Road, Traffic, and Communication Hasnever Been Easier.

Clarion's EZDrive is the ultimate navigation unit, with simple destination input, turn-by-turn voice prompts, text-to-speech operation and selectable route guidance this unit is all about convenience. It even has instant recall of your last destinations and includes an astounding 12 million points of interest in its database.

### EZD580

#### Portable Navigation System

- 4.3" TFT Color Monitor Touch Panel Control
- Built-in Bluetooth® Hands-free (HFP) and Audio Streaming (A2DP & AVRCP)
- Coverage of Entire USA and Canada
- Easy to Use New Navigation Engine
- 12 Million Points of Interest with Icons
- FM-TMC Traffic Service Ready (Optional NAVRDS and Subscription Required)
- TTS (Text to Speech) for Street Announcements
- 2GB Flash Memory (Map Data Pre-loaded)
- SiRF GPS III Module with 20-channel GPS Receiver

- SD/MMC for MP3/WMA Playback and Supports SDHC (Up to 4GB memory card)
- Picture Viewer (JPEG)
- 3.5mm External Headphone Connector
- Built-in Loud Speaker
- USB 2.0 Connection for Updating and Charging
- Rechargeable Battery Last up to 4 Hours
- Microsoft Windows CE 5.0
- 2D and 3D Map View
- Lane and Signpost Info
- Automatic Route Recalculation
- Simple Destination Input
- Windshield and Dash Mount Kit Included
- USB Cable and Car Charger Included

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#### Built-in Battery

Your life is on the go, so should your portable navigation device. The EZD580 includes a long life Lithium Ion Battery, for your on-the-go lifestyle. With up to 4 hours of continuous use it is sure to be ready when ever you. Go ahead, charge it up and get moving.

#### 12 Million POIs Preloaded

Looking for somewhere to eat? Or maybe your gas tank is empty? Let the EZD580 guide you to your required destination by accessing its 12 Million Points of Interest. National Parks, Gas Stations, and Restaurants are a simple touch and select away, simply select the POI guide, pick your destination and watch the EZD580 do its magic and display your route in precise detail.

#### FM-TMC for Traffic Information

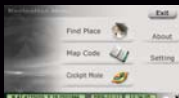
Let's face it, knowing where you are going is only half battle, arriving on time is winning the war. The EZD580 features the Total Traffic Network as an available option for 2009. Total Traffic guides you through the heaviest of traffic situations, allowing you to alter your route and avoid road delays.

#### Transmit Voice Prompt/TTS

Clarion continues to create products that make your daily trips safer and more convenient. The EZD580 features a selectable voice guided prompt, which allows you to follow this smart devices instruction without ever having to take your eyes off the road. TTS(TEXT to speech) technology lets voice prompts announce the street name so you can exactly your way.

- Speed limit information • Interactive 2D & 3D map view
- Smart zoom technology • Cross border routing, 50 POI categories
- Extremely fast route calculation and rerouting

#### Navi software keypoints



#### Picture viewer keypoints



- Compatible with MP3/WMA files on SD/MMC cards
- Handles SD/MMC cards up to 4 GB • MP3/WMA files from a PC can be transferred to the main unit's flash memory.
- Graphic equaliser setting with 12 presets
- Playlist compatible (.m3u)

#### MP3 Player keypoints



#### Bluetooth®



- Compatible with JPEG & BMP files on SD/MMC cards • Handles SD/MMC cards up to 4 GB • Pictures from a PC can be transferred to the main unit's flash memory • Thumbnail views and Slideshow playback modes

Bluetooth wireless connection supports safe handsfree calls. This ensures safer driving and transforms the in-car environment to a more amenity-rich environment. Connect your mobile phone to the EZD580 and see phone information on the screen to manage calls and dial numbers with ease.



#### No Tools Required

Turn it on and bam; off we go. Its built-in power source allows you to go anywhere. Use the touch screen display to enter your destination and follow along as your route is displayed in rich detail. Connectivity leads to convenience and entertainment. Whether you're listening to music from the SD card or transferring data through the USB port, Clarion enriches the mobile experience.



Mini USB port



SD card slot

# Always with You. Navigate Your Life.

ClarionMiND is a completely new type of mobile Internet device created by the car audio and navigation expert Clarion.

As a Next Generation Navigation plus Internet-Based Entertainment device, it provides GPS navigation, and with Wi-Fi and Bluetooth-enabled cellphone, the Internet can be accessed via a full browser anytime and anywhere. ClarionMiND has a new interface that allows you to navigate the real-world and the unlimited possibilities of the Internet at the touch of a finger. The possibilities for ClarionMiND are endless.

## ClarionMiND

### Powering ClarionMiND: the Mighty Intel® Atom™ Processor

ClarionMiND is powered by Intel's smallest processor – the Intel® Atom™ Processor – which packs an astonishing 47 million transistors. Despite its small size, it is powerful enough to deliver a full range of Internet services and many useful applications.



MULTIMEDIA



## NEXT-GENERATION NAVIGATION

Navigation / Send from Google Maps to your device / Portable and Dockable

Full-featured navigation system from Clarion, a leading car audio and navigation manufacturer.

### Navigation

ClarionMiND is a full-fledged navigation system that guides you accurately to your destination.



Google Maps provides extensive local information.

### Send from Google Maps to your device

In addition to pre-installed POIs, use ClarionMiND to guide you to your selected destination using the information supplied by Google Maps. Once you find your destination on Google Maps, click the Send button to transfer it to your ClarionMiND and navigate directly.



Google Maps



POIs downloaded from Google Maps

Independent operating modes for portable and in-car use.

### Portable and Dockable

As a portable device, ClarionMiND allows you to use it in the home or office, or when you are out and about. In your car, the navigation mode starts as soon as the unit is placed in the standard cradle or the optional Car Dock.



For more information, see the Clarion website at <http://my.clarion.com>





# INTERNET BASED ENTERTAINMENT

Browser / YouTube / MySpace

A step beyond mobile devices:  
full browser.

## Browser

Using the Firefox-based web browser, you can navigate the Web the same way you do on your PC. Find where you want to go, such as restaurants, concert venues and shops by checking the information on the Internet.



Full Browser

Enjoy YouTube and MySpace via the unique interface.



The YouTube icon on the Home Screen gives you one-touch access to one of the world's most popular video community — you don't need to activate the browser.



YouTube Browser



Use the MySpace icon to go directly to this popular social networking website with over 100 million members. The easy to operate MySpace browser has enhanced viewer functions to make MySpace even more fun to use than with a PC.



MySpace Browser



## USER INTERFACE

Mobile Mode / Car Mode

ClarionMiND provides an intuitive H.M.I. (Human Machine Interface). The graphics for the button size and layout, map design and menus are designed to provide excellent visibility to allow safe operation of the touchscreen.

### Mobile Mode

The icon layout can be switched between Slide View and Carousel View, and the icon arrangement order and categories can be changed as well. Enjoy faster access by grouping and displaying the icons of functions used most often.



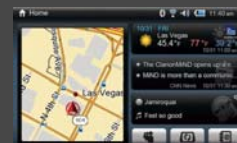
Slide View



Carousel View

### Car Mode

The special Car Mode interface was designed for safety and comfort. Installing the standard cradle (included) and Car Dock (sold separately) allows the navigation to start up automatically and switch to a screen that restricts certain functions for increased safety while the vehicle is moving.



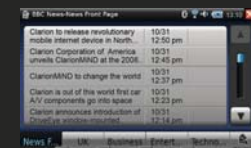
Car Mode

### Some of ClarionMiND's many convenient functions.

- Weather (Powered by The Weather Channel)
- News Reader
- Real Player (Music/Movie/Photo)
- e-mail
- Software Keyboard
- Portal Sync (Synchronization with user portal site MyClarion)
- Calculator
- PDF Viewer
- File Manager
- Note Pad
- Control Panel



Weather



News Reader

### ClarionMiND Basics

- 4.8 inch WVGA(800x480) LCD Display with touch screen • Intel® Atom™ Processor
- 800MHz Clock Speed • 512MB DRAM
- 4GB SSD Flash Memory • Built-In Wi-Fi (b/g) • Built-In Bluetooth® 2.0+EDR • Built-In GPS Antenna/Receiver • Built-In Amplifier
- Built-In Speaker • Rechargeable Battery Lasts up to 1.5 Hours (up to 4.5 Hours with Large Battery) • Headphone Jack
- 2 USB Ports (Standard/Mini) • microSD Card Slot • One Touch Keys • Docking Station Connector • Dimensions: 167.8 (W) x 96.0 (H) x 26.45 (D) mm (6.6" x 3.78" x 0.99") • Weight: 325g (incl. Standard Battery)



### Color variations



### User Portal Site

Upgrade, get software and more at "MyClarion"

One of the best features of Clarion MiND is that you can continually upgrade and extend its capabilities. Just use the Internet connection to go to the Clarion portal site, "MyClarion."

This information hub is packed full of great contents like software updates, music downloads, partner site links and more!



<http://my.clarion.com>

### Package contents



### Accessories

#### NK1U Car Dock

With ClarionMiND docked into the NK1U, you will receive traffic information via FM-TMC, hear voice guidance from your car speakers and get automatic day/night screen switching. A lifetime subscription to FM-TMC is included so that you can enjoy this convenient feature with no extra cost.

#### PQE-166 Large Battery

The Large Battery extends operating time to as much as 4.5 hours.





MP3 / WMA / AAC / USB Features

MODEL				CMV1				CZ509, CZ309, CX609, CM06, M309						CZ209				CZ109, M109				FZ709, FZ409			
MEDIA				DVD			USB			CD			USB			CD		USB		CD		USB			
FILES				WMA	MP3	AAC	WMA	MP3	AAC	WMA	MP3	AAC	WMA	MP3	AAC	WMA	MP3	WMA	MP3	WMA	MP3	WMA	MP3	AAC	
FILE SYSTEM	ISO9660	LEVEL1		●							●					●				●					
		LEVEL2		●							●					●				●					
		LEVEL3		×							×					×				×					
	ISO9660 EXTENSION	PLAY		●							●					●				●					
		FILE NAME		64-bytes							64-bytes					32bytes				32bytes					
		PLAY		●							●					●				●					
	OTHERS	ROMEO		●							●					●				●					
		FILE NAME		64-bytes							64-bytes					32bytes				32bytes					
		APPLE ISO		-							-					-				-					
	FAT	FAT12		-				●			-				●				-			-			
FAT16			-				●			-				●				-			-				
FAT32			-				●			-				●				-			-				
MP3G FORMAT	.mp3				●						●					●			●			●			
	Mp3/ Mp3/ MP3															●			●			●			
	.wma			●			●			●					●			●			●				
	.WMA														●			●			●				
	.m4a															●			●			●			
	MPEG1 /2 Audio Layer3				●			●			●				●			●			●		●		
MPEG2 Audio Layer3 (LSF)				●			●			●				●			●			●		●			
MPEG2.5				●			●			●				●			●			●		●			
SAMPLING FREQUENCY	MPEG1 /2 Audio Layer3			48, 44.1, 32(kHz)				48, 44.1, 32(kHz)				48, 44.1, 32(kHz)				32kHz, 44.1kHz, 48kHz			32kHz, 44.1kHz, 48kHz			32kHz, 44.1kHz, 48kHz	48, 44.1, 32(kHz)		
	MPEG2 Audio Layer3 (LSF)			24, 22.05, 16(kHz)				24, 22.05, 16(kHz)				24, 22.05, 16(kHz)				16kHz, 22.05kHz, 24kHz			16kHz, 22.05kHz, 24kHz			16kHz, 22.05kHz, 24kHz	24, 22.05, 16(kHz)		
	MPEG2.5			12, 11.025, 8(kHz)				12, 11.025, 8(kHz)				12, 11.025, 8(kHz)				8kHz, 11.025kHz, 12kHz			8kHz, 11.025kHz, 12kHz			8kHz, 11.025kHz, 12kHz	12, 11.025, 8(kHz)		
	WMA			Fs=22.05, 32, 44.1, 48kHz (WMA V2/V7/V8) Fs=44.1kHz (WMA V9L1)				Fs=22.05, 32, 44.1, 48kHz (WMA V2/V7/V8) Fs=44.1kHz (WMA V9L1)				Fs=22.05, 32, 44.1, 48kHz (WMA V2/V7/V8) Fs=44.1kHz (WMA V9L1)				22.05kHz, 32kHz, 44.1kHz, 48kHz			22.05kHz, 32kHz, 44.1kHz, 48kHz			22.05kHz, 32kHz, 44.1kHz, 48kHz	Fs=22.05, 32, 44.1, 48kHz (WMA V2/V7/V8) Fs=44.1kHz (WMA V9L1)		
	AAC					48,44.1, 32.24, 22.05,16, 12,11.025, 8(kHz)						48,44.1, 32.24, 22.05,16, 12,11.025, 8(kHz)										48,44.1, 32.24, 22.05,16, 12,11.025, 8(kHz)			
	MPEG1 /2 Audio Layer3			32- 320kbps				32- 320kbps				32- 320kbps				32- 320Kbps			32- 320Kbps			32- 320Kbps			32- 320kbps
	MPEG2 Audio Layer3 (LSF)			8- 160kbps				8- 160kbps				8- 160kbps				8- 160Kbps			8- 160Kbps			8- 160Kbps			8- 160kbps
	MPEG2.5			8- 160kbps				8- 160kbps				8- 160kbps				8- 64Kbps			8- 64Kbps			8- 64Kbps			8- 160kbps
	WMA			32, 36, 40, 44, 48,64, 128,160, 192kbps (WMA V2/ V7/V8) 64, 80, 96, 128, 160kbps (WMA V9L1)				32, 36, 40, 44, 48,64, 128,160, 192kbps (WMA V2/ V7/V8) 64, 80, 96, 128, 160kbps (WMA V9L1)				32, 36, 40, 44, 48,64, 128,160, 192kbps (WMA V2/ V7/V8) 64, 80, 96, 128, 160kbps (WMA V9L1)				16,20,32, 36,40,44, 48,64,80, 96,128, 160,192			16,20,32, 36,40,44, 48,64,80, 96,128, 160,192			16,20,32, 36,40,44, 48,64,80, 96,128, 160,192	32, 36, 40, 44, 48,64, 128,160, 192kbps (WMA V2/ V7/V8) 64, 80, 96, 128, 160kbps (WMA V9L1)		
	AAC					8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))				8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))				8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))				8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))						8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))	
OTHERS	DIRECTORY DEPTH			MAX 8			MAX 8			MAX 8			MAX 8			MAX255		MAX 8		MAX255		MAX 8			
	FILE NAME NUMBER			64-bytes			64-bytes			64-bytes			64-bytes			32bytes		64bytes		32bytes		64bytes			
	TOTAL FILE NUMBER			510			130560			510			130560			999		65535		999		130560			
	TOTAL FOLDER NUMBER			255			512			255			512			255		256		255		512			
	FILE NUMBER via FOLDER			255			255			255			255			999		999		999		255			
	ID3 TAG	ver-1.x		●				●				●				●			●			●			
		ver-2.x		●				●				●				●			●			●			
		TITLE		●				●				●				●			●			●			
		ARTIST		●				●				●				●			●			●			
		ALBUM		●				●				●				●			●			●			
WMA TAG	TITLE		●				●				●				●			●			●				
	ARTIST		●				●				●				●			●			●				
	ALBUM		●				●				●				●			●			●				
VBR			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
CODEC			Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice / Not support				Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice / Not support				Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice / Not support				Support for WMA7.89, 9.1.9.2/ Lossless voice / Not support				Support for WMA7.89, 9.1.9.2/ Lossless voice / Not support				Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice / Not support		

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**WARNING: Driver is prohibited by law from viewing a video signal on any in-dash monitor while the vehicle is in motion.**

**WARRANTY** All Clarion products are covered by a Limited One Year Parts and Labor Warranty. The following Clarion products have a Limited Two-Year Parts and Labor Warranty when purchased from and installed by an authorized Clarion Dealer: - Two-year warranty : CX609, CZ509, FZ709 , DPX2251, DPX1851, DPX11551. ClarionMiND accessories are warranted for 90 days when purchased from an authorized Clarion dealer. ClarionMiND betteries are warranted for 6 months when purchased from an authorized Clarion dealer.



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